

FIG. 1

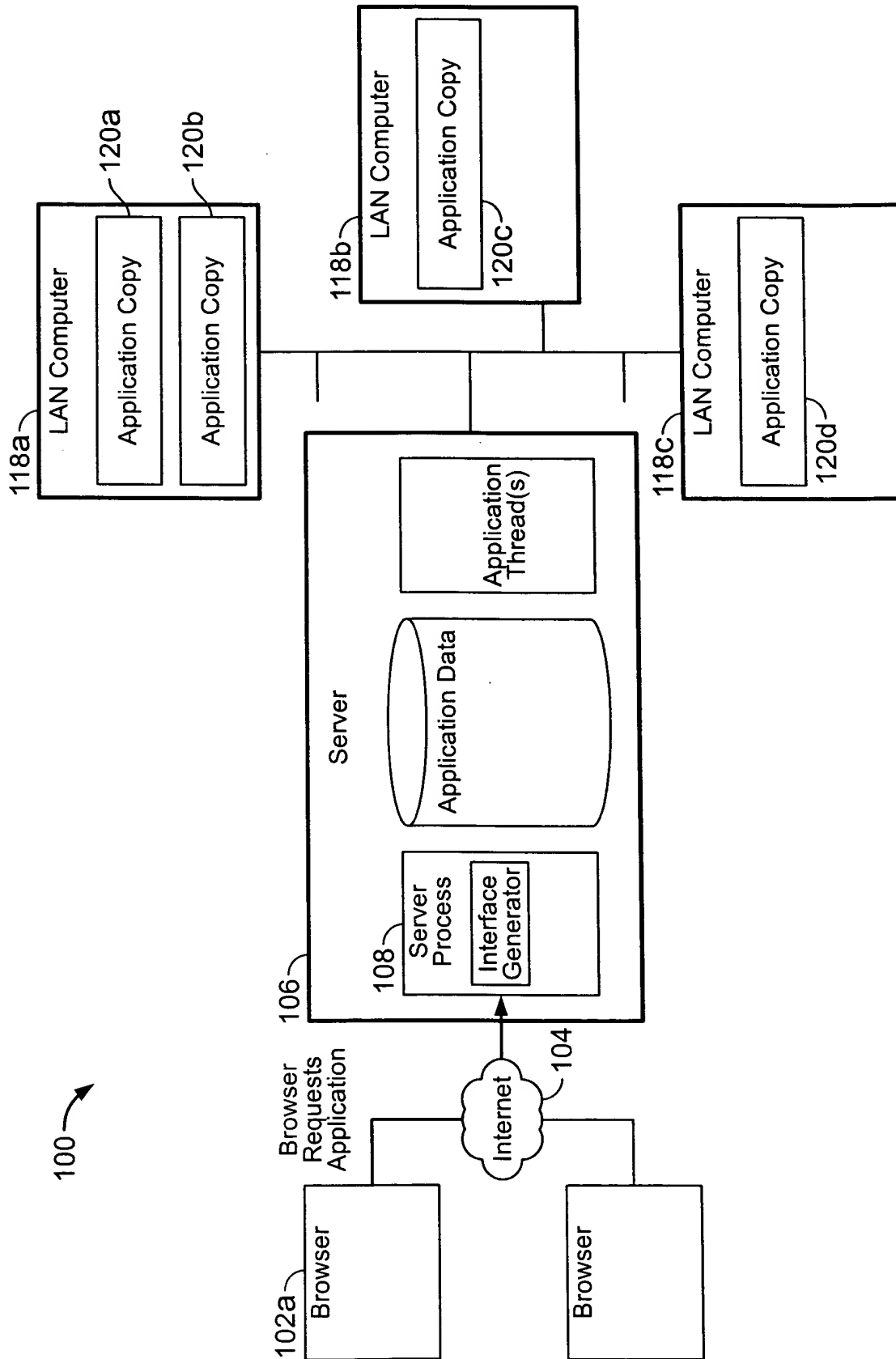


FIG. 2

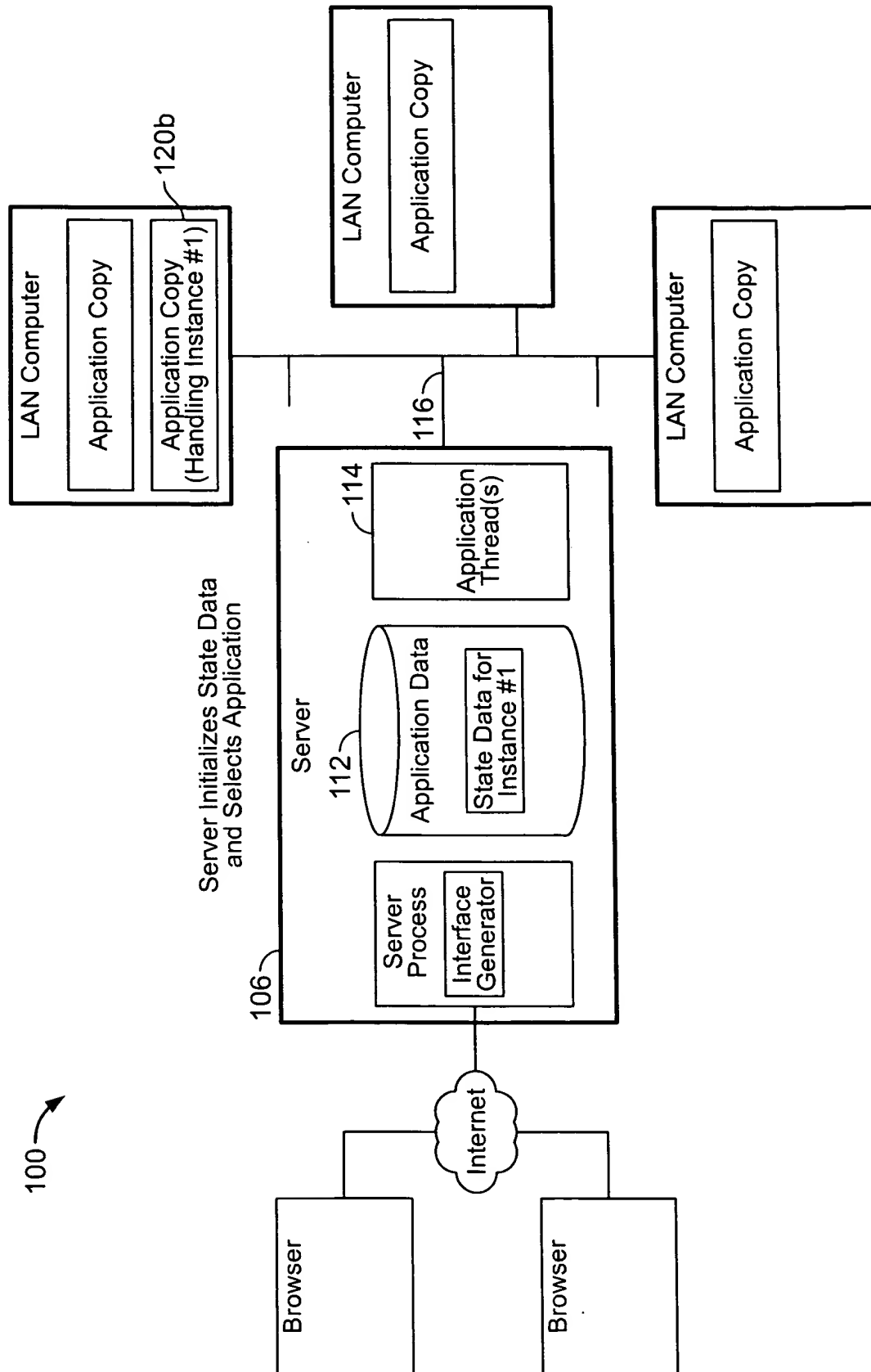


FIG. 3

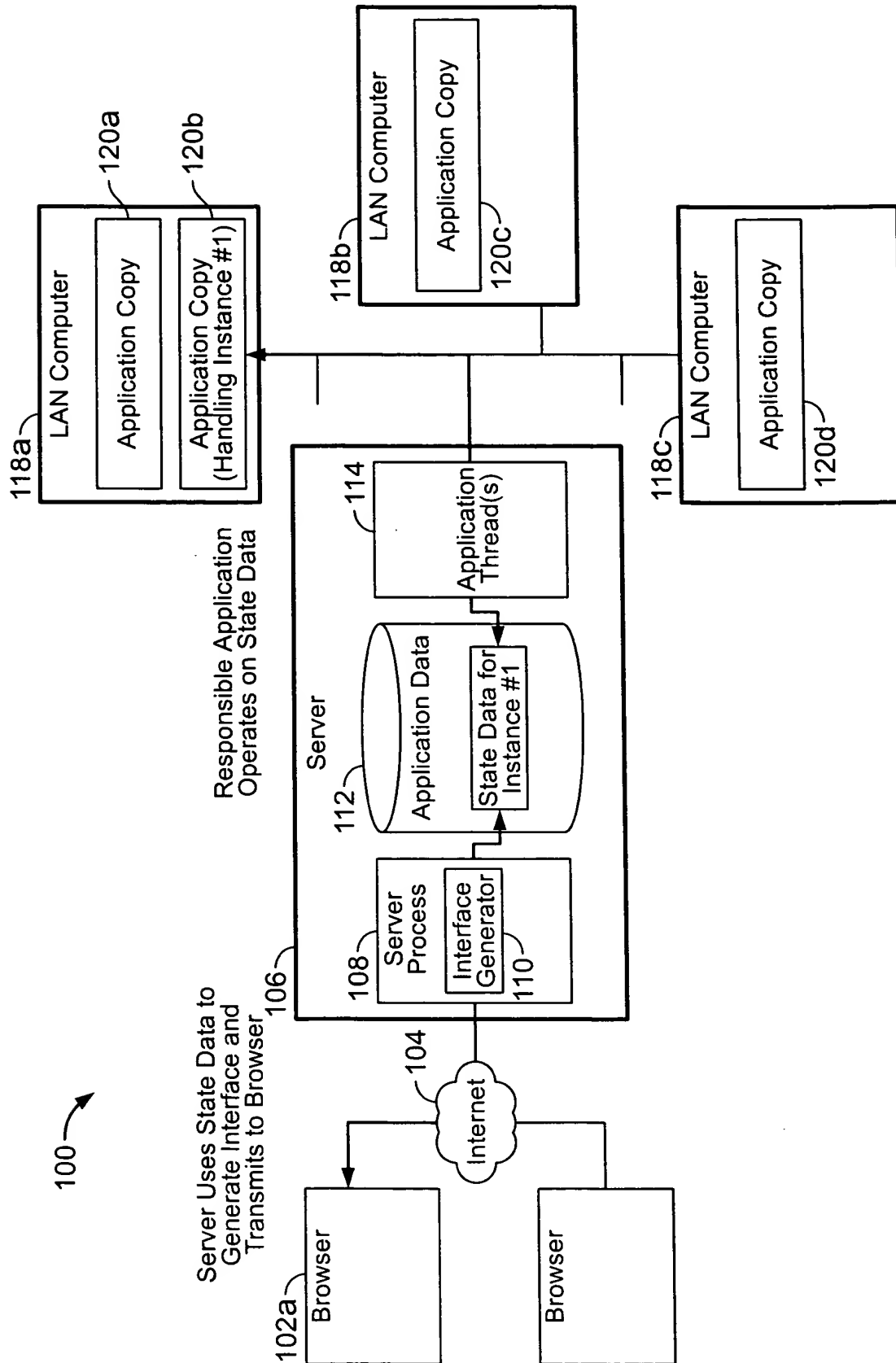


FIG. 4

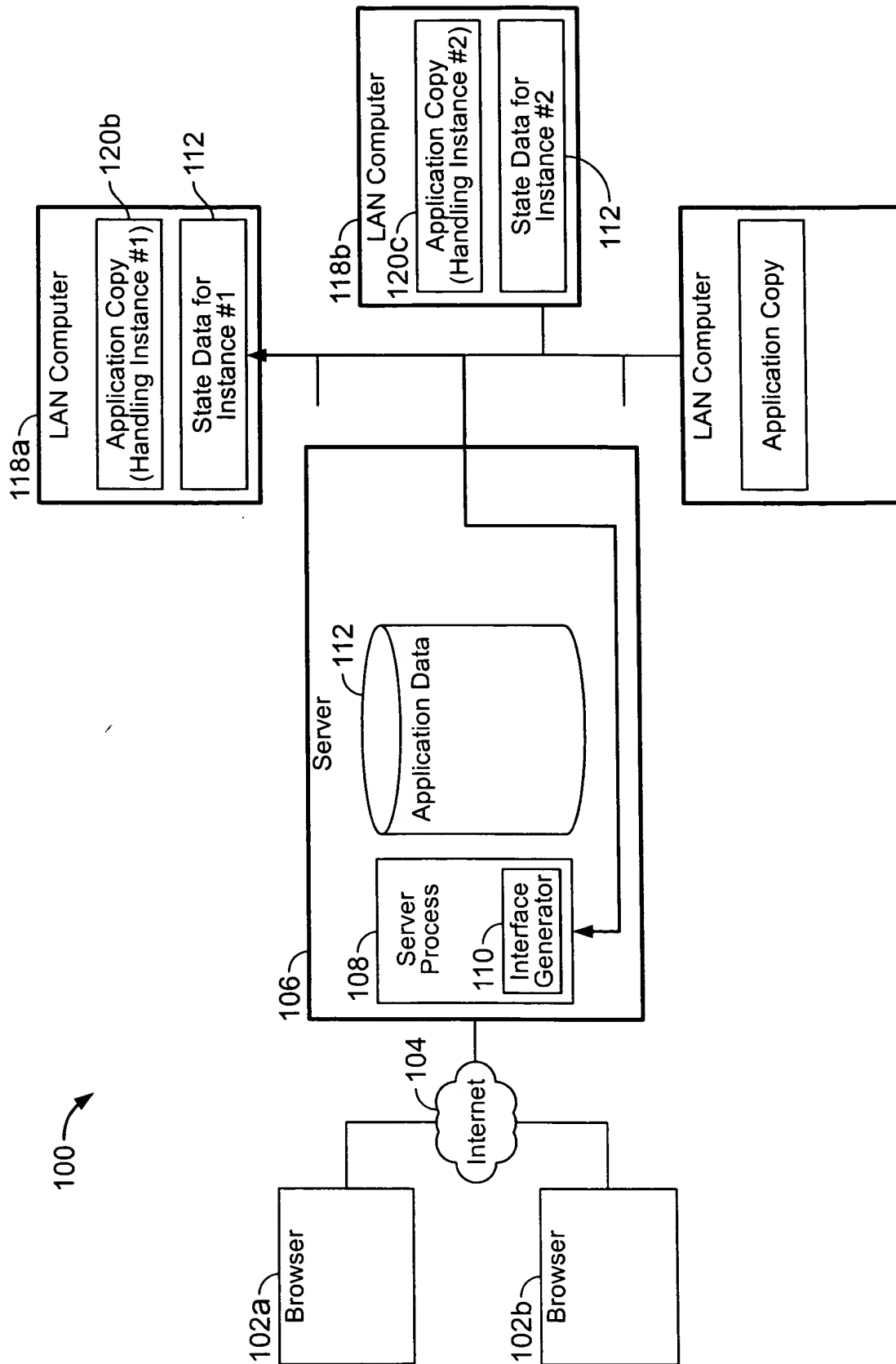


FIG. 5

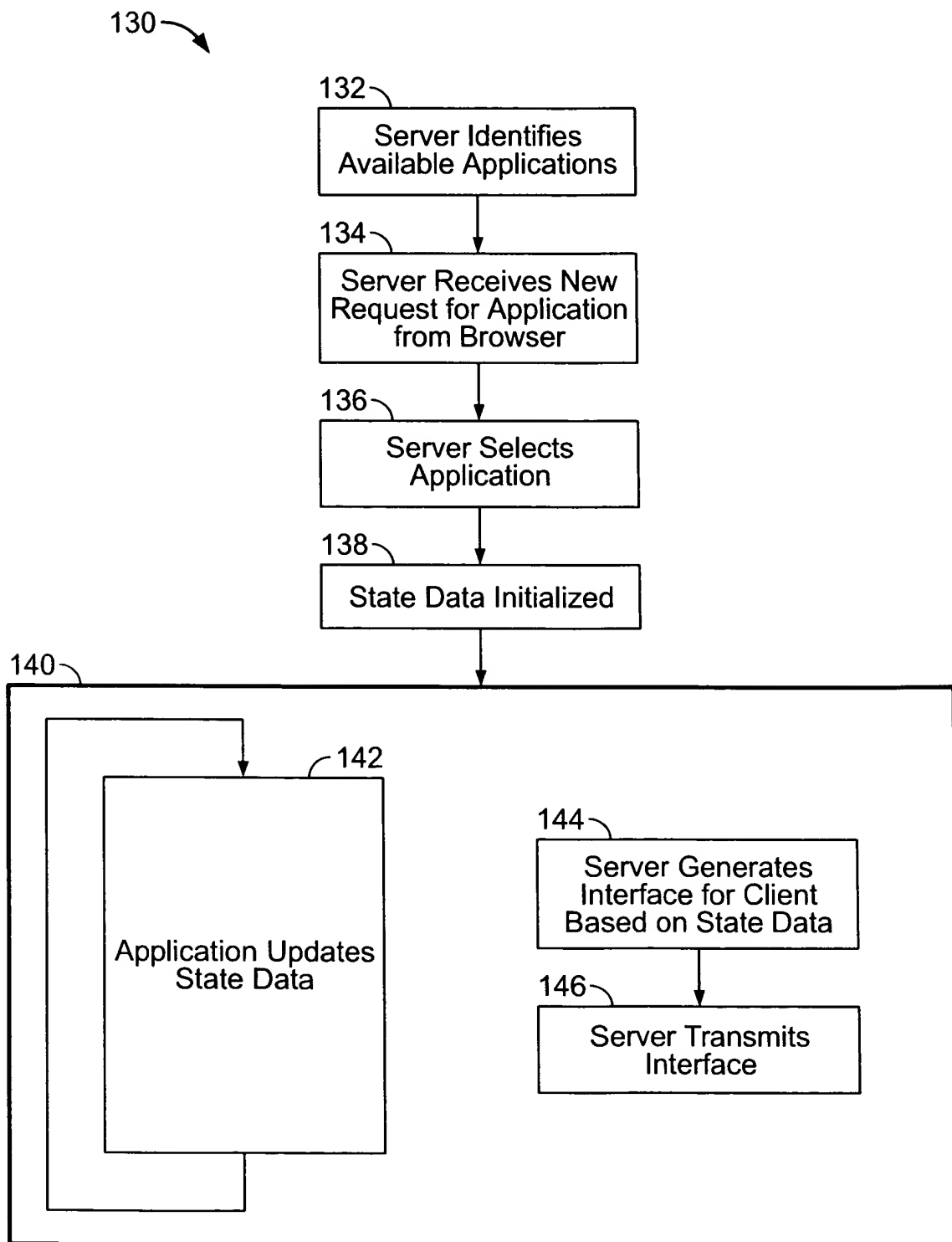


FIG. 6

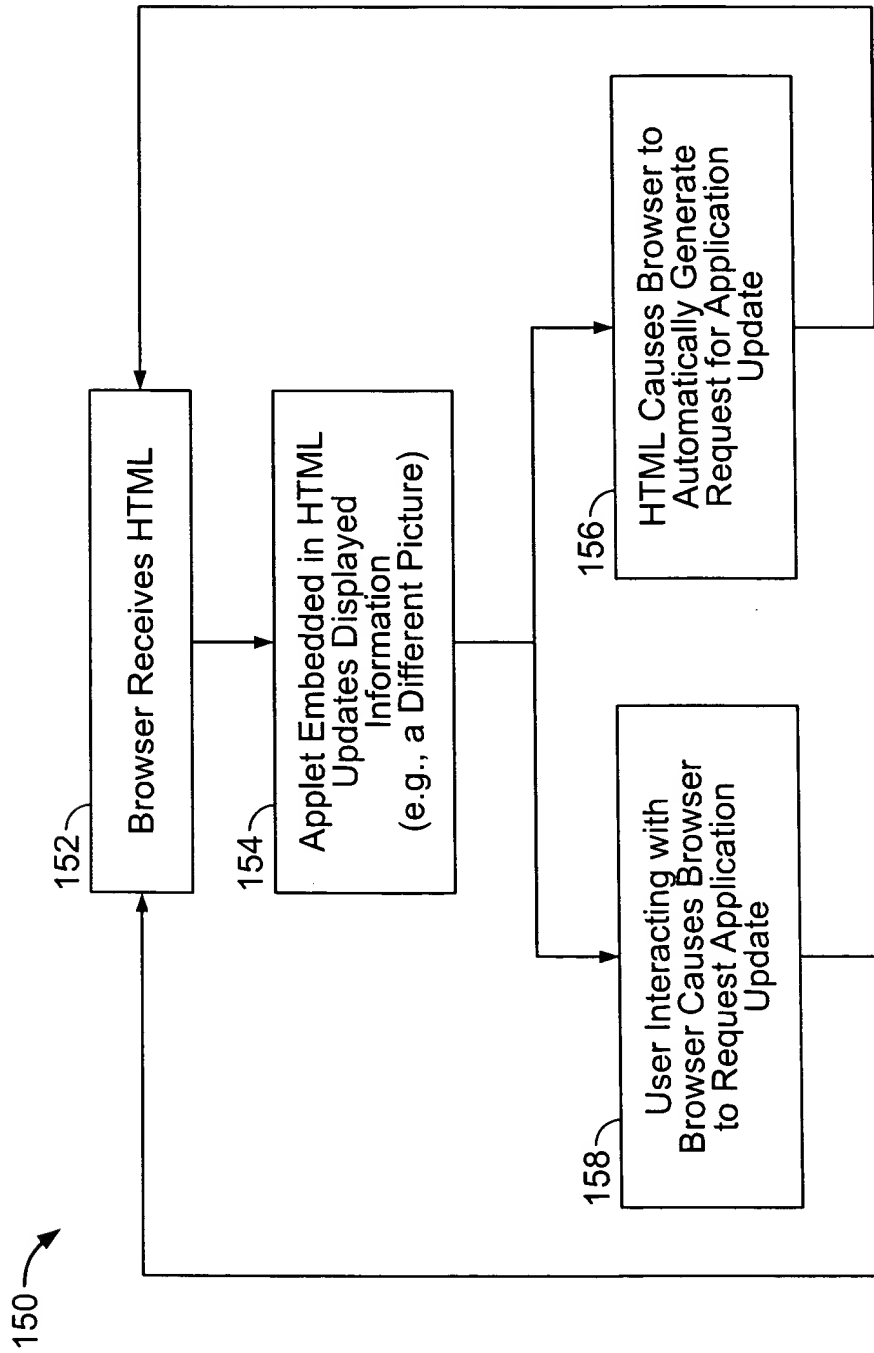


FIG. 7

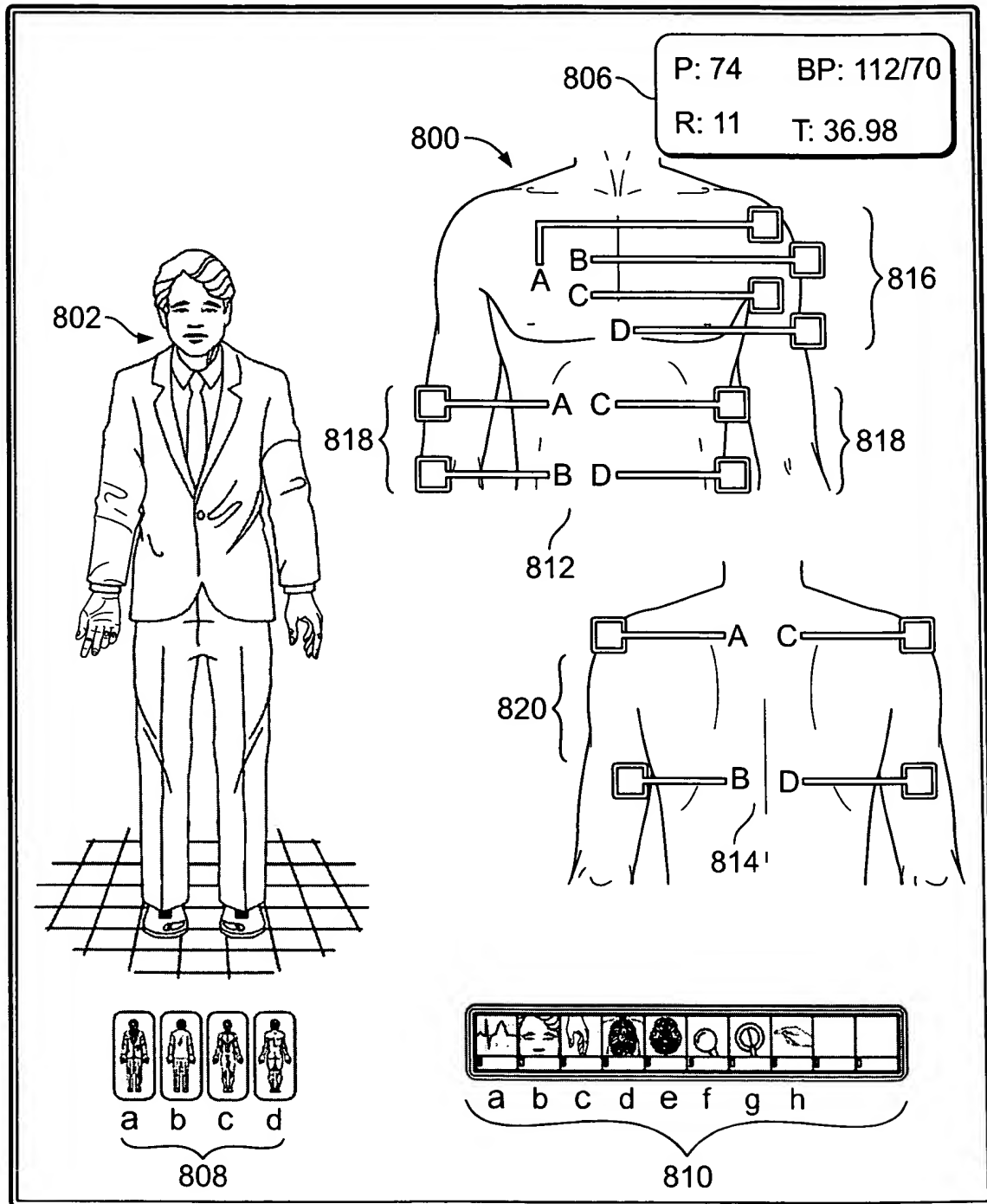


FIG. 8

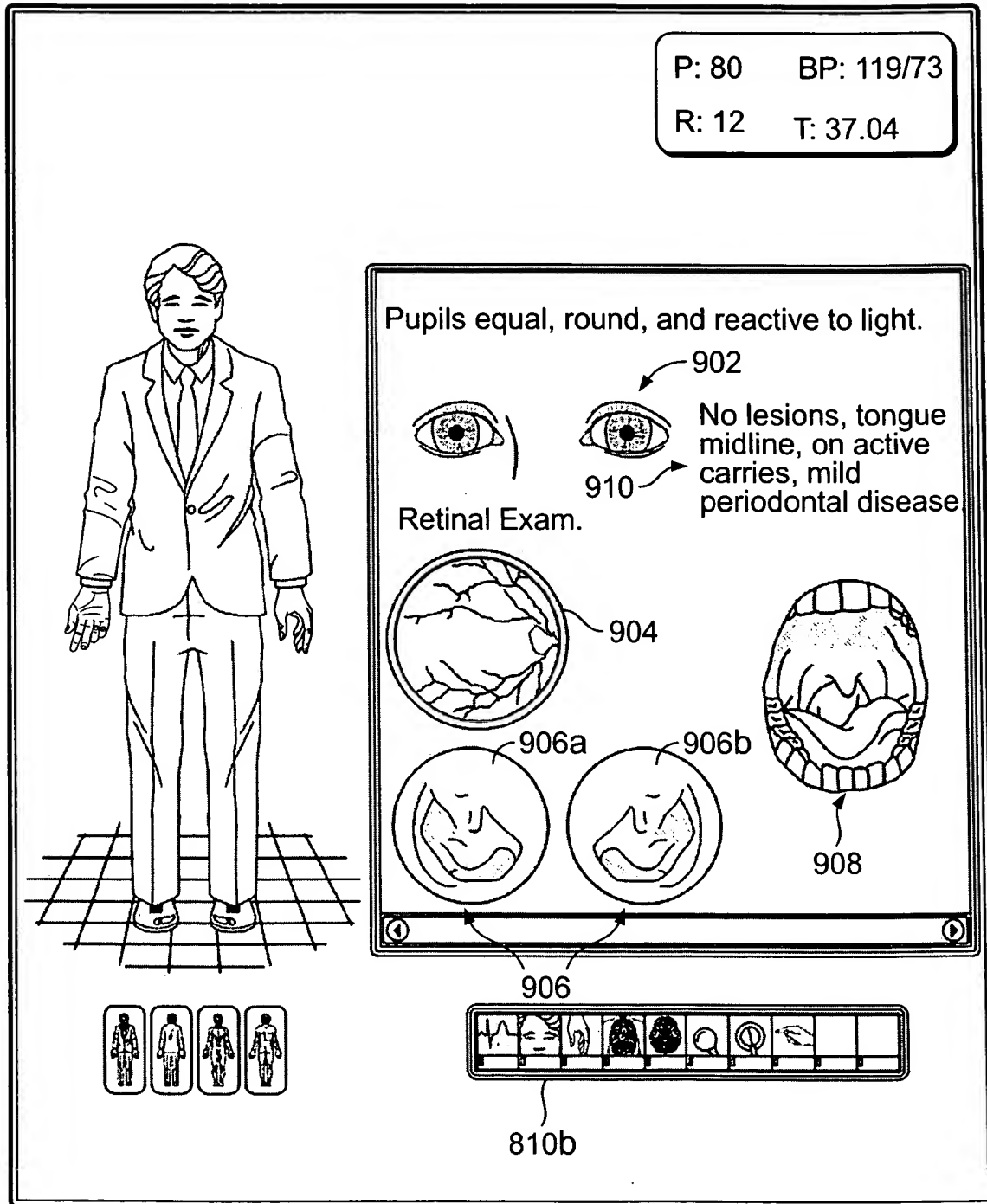


FIG. 9

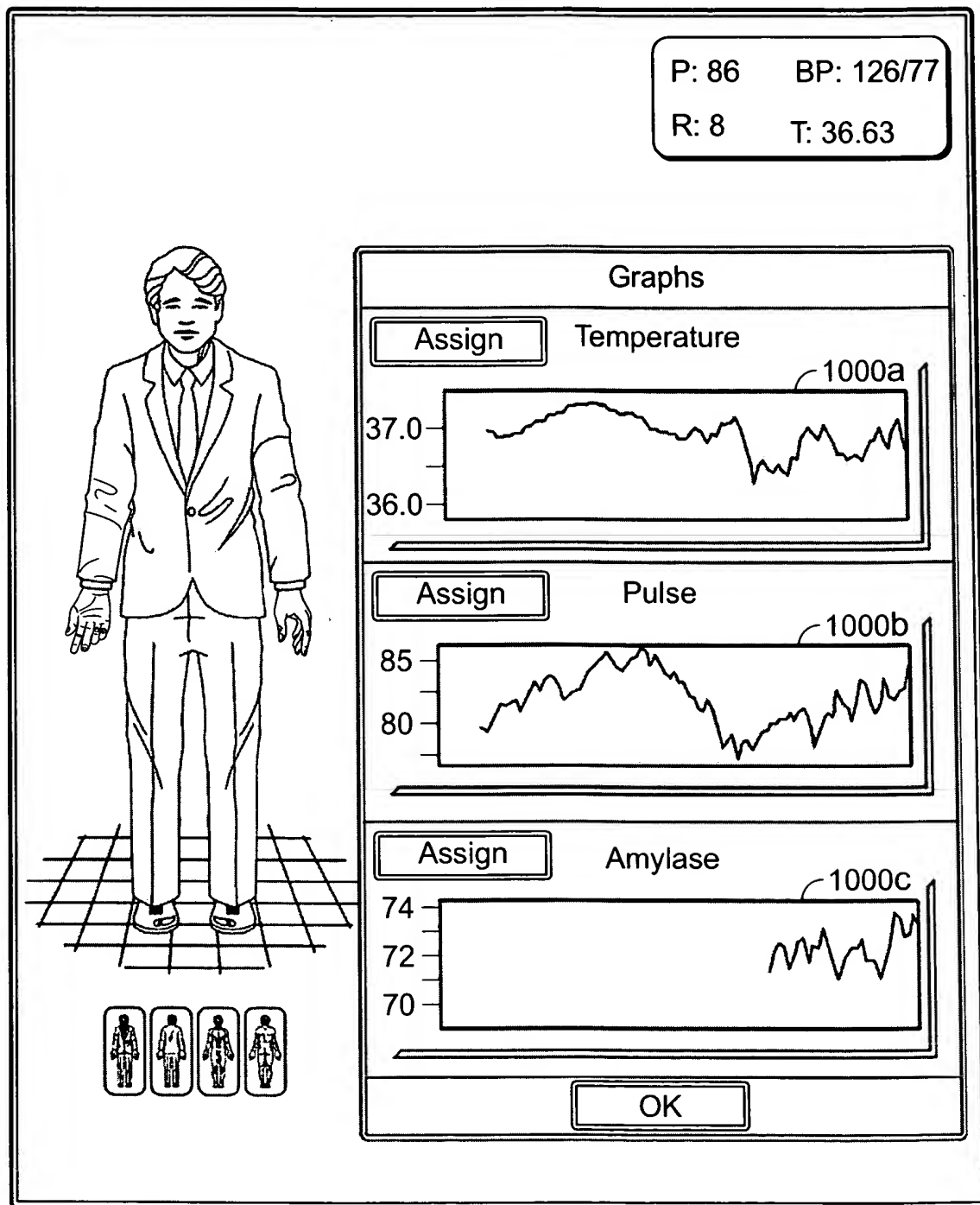
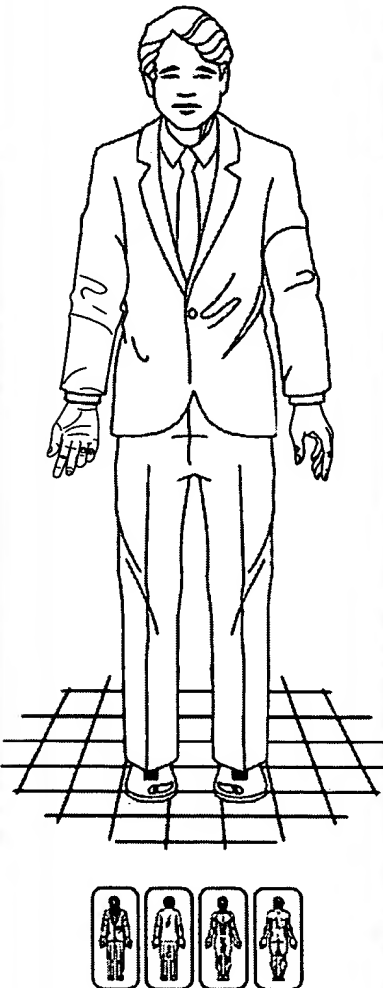


FIG. 10

P: 72 BP: 114/71

R: 11 T: 36.98



OHx	OPx	OROS	OOrd	OLab	OProg
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Patient History

Sudden, unexplained increase in thirst and appetite accompanied by abnormally frequent urination and weight loss of 2 pounds, starting approximately one month ago.

The patient is a 31 y/o moderately obese white male who presented with a one month history of unexplained, sudden onset of polydypsia, polyphagia, increased urinary frequency, and moderate weight loss. Patient denies pain on urination or blood in urine, change in stream, renal infection, or any recent changes in physical activity.

Tonsillectomy at age 2. Medications include variable use of OTC pain medications, including aspirin and Ibuprofin. No known medicine allergies, hypertension, pulmonary, thyroid, or kidney disease. Last clinic visit over 4 years ago for an employment physical, which was unremarkable.

1100

-

+

FIG. 11

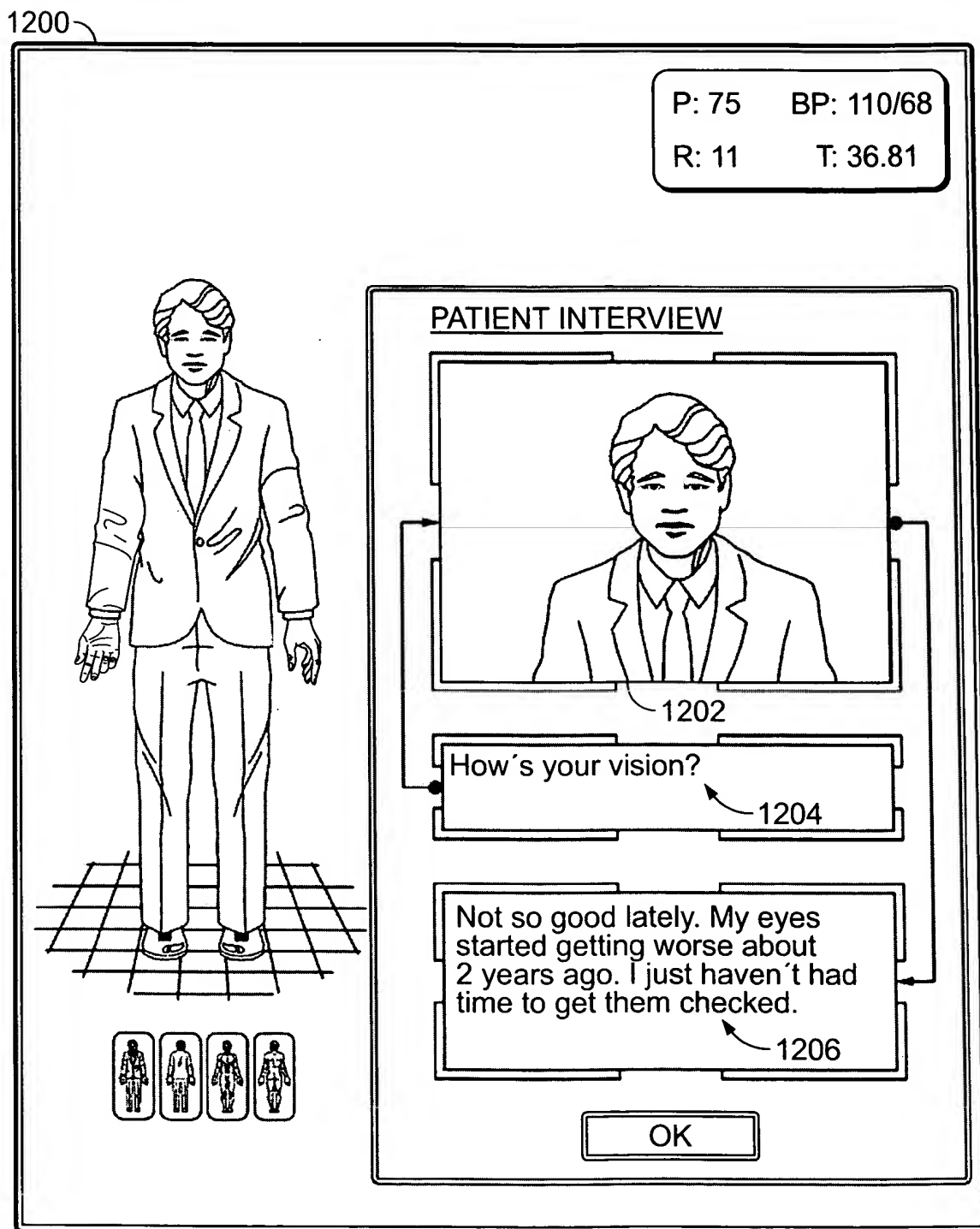
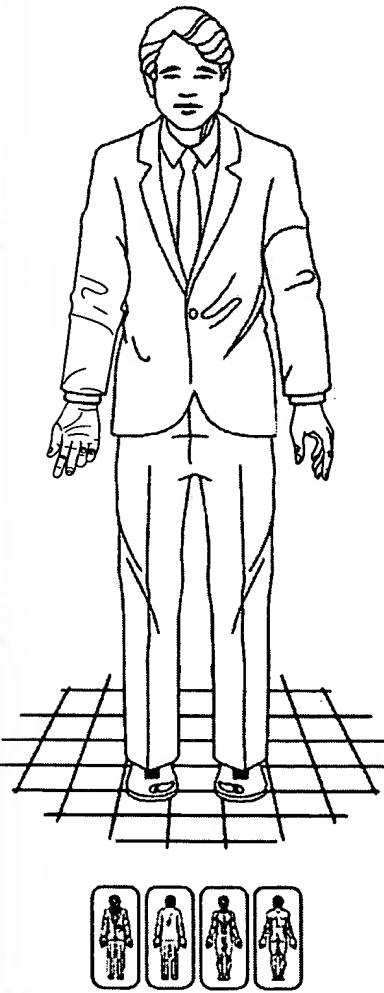


FIG. 12

1300

P: 75 BP: 111/69
 R: 11 T: 36.92



Order Entry

DDx

Acromegaly
 Acute myocardial infarction
 Acute pericarditis ~ 1302
 Ankylosing spondylitis
 Arthritis associated with ulcerative colitis
 Aseptic necrosis of bone

Rx

Cimetidine (Tagamet)
 Codeine
 Diabenase ~ 1304
 Diazepam (Valium)
 Diclofenac (Voltaren)
 Diet & Exercise
 DMSO
 Doxorubicin

Orders:

Labs/Studies

ABG
 Acetone
 ACT ~ 1306
 ACTH
 Albumin, Serum
 Albumin, Urine
 Alkaline Phosphatase
 Ammonia
 Amylase

OK

FIG. 13

P: 85 BP: 116/72
R: 9 T: 37.25

Time Control

Initial: Wed, 01/05/00 14:24
Current: Wed, 01/05/00 18:37
Elapsed (weeks/days/hours/minutes):

0

0

4

13

Stop Time

Restart

☒ Time Slice ☐ Time Jump

Set Time Slice (1 Minutes)

☐ Seconds ☒ Minutes ☐ Hours ☐ Days ☐ Weeks

OK

Cancel

FIG. 14

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1502 { Object Model Key "Patient Views"
      Object Model MMFile1 "Body Renderings\MorphMan\aprime.jpg"
      Object Model MMFile2 "Body Renderings\MorphMan\bprime.jpg"
      Object Model MMFile3 "Body Renderings\MorphMan\cprime.jpg"
      Object Model MMFile4 "Body Renderings\MorphMan\dprime.jpg"

1504 { Object Model Key "ROS Head"
      Object Model MMFile1 "Body Renderings\MFaces\Neutral.jpg"

1506 { Object ABD Key "Front Auscultation"
      Object ABD MMFile "Body Renderings\New_Male_Fat\FatChBkMAus.jpg"
      Object ABD Sound1 "Wav Files\Other\Bowel1.wav"
      Object ABD Sound2 "Wav Files\Other\Bowel2.wav"
      Object ABD Sound3 "Wav Files\Other\Bowel3.wav"
      Object ABD Sound4 "Wav Files\Other\Bowel2.wav"

1508 { Object ABD Key "Front Percussion"
      Object ABD MMFile "Body Renderings\New_Male_Fat\FatChBkMPercuss.jpg"
      Object ABD Sound1 "Wav Files\Percussion\PercusDull.wav"
      Object ABD Sound2 "Wav Files\Percussion\PercusDull.wav"
      Object ABD Sound3 "Wav Files\Percussion\PercusFlat.wav"
      Object ABD Sound4 "Wav Files\Percussion\PercusFlat.wav"
      Object ABD Sound5 "Wav Files\Percussion\PercusResonant.wav"
      Object ABD Sound6 "Wav Files\Percussion\PercusResonant.wav"
      Object ABD Sound7 "Wav Files\Percussion\PercusDull.wav"
      Object ABD Sound8 "Wav Files\Percussion\Exclame.wav"

```

FIG. 15A-1

```

Object Chest Key      "Front Auscultation"
Object Chest MMFile   "Body Renderings\New_Male_Fat\FatChBkMAus.jpg"
Object Chest Sound1  "Wav Files\Heart Sounds\Normal (A).wav"
Object Chest Sound2  "Wav Files\Heart Sounds\Normal (P).wav"
Object Chest Sound3  "Wav Files\Heart Sounds\Normal (T).wav"
Object Chest Sound4  "Wav Files\Heart Sounds\Normal (M).wav"
1510 {

Object Chest Key      "Back Auscultation"
Object Chest MMFile   "Body Renderings\New_Male_Fat\FatChBkMAus.jpg"
Object Chest Sound1  "Wav Files\Breath Sounds\NormBSApex.wav"
Object Chest Sound2  "Wav Files\Breath Sounds\NormBSApex.wav"
Object Chest Sound3  "Wav Files\Breath Sounds\NormBSBase.wav"
Object Chest Sound4  "Wav Files\Breath Sounds\NormBSBase.wav"
Object Chest Sound5  "Wav Files\Breath Sounds\NormBSBase.wav"
Object Chest Sound6  "Wav Files\Breath Sounds\NormBSBase.wav"
1512 {

Object Chest Key      "Back Percussion"
Object Chest MMFile   "Body Renderings\New_Male_Fat\ChBkMPercuss.jpg"
Object Chest Sound1  "Wav Files\Percussion\PercusResonant.wav"
Object Chest Sound2  "Wav Files\Percussion\PercusResonant.wav"
Object Chest Sound3  "Wav Files\Percussion\PercusResonant.wav"
Object Chest Sound4  "Wav Files\Percussion\PercusResonant.wav"
Object Chest Sound5  "Wav Files\Percussion\PercusResonant.wav"
Object Chest Sound6  "Wav Files\Percussion\PercusResonant.wav"
Object Chest Sound7  "Wav Files\Percussion\PercusFlat.wav"
Object Chest Sound8  "Wav Files\Percussion\PercusFlat.wav"
1514 {

```

FIG. 15A-2


```
1516 { Object CV Key    "EKG"
      { Object CV MMFile1 "EKGs\Normsinr.jpg"
        Object CV Entry  "Normal sinus rhythm with no signs of past or current cardiac events." }
1518 { Object Ext Key   "Extremities - Left Hand"
      { Object Ext MMFile1 "Extrem\MNLHand.jpg"
        Object Ext Entry  "Left hand normal to inspection." }
1520 { Object Ext Key   "Extremities - Right Hand"
      { Object Ext MMFile1 "Extrem\MNRHand.jpg"
        Object Ext Entry  "Right hand normal to inspection." }
```

FIG. 15A-3

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1522 { Object Ext Key    "Extremities - Feet"
      Object Ext MMFile1 "Extrem\MNFeet.jpg"
      Object Ext Entry   "Feet normal to inspection."

1524 { Object Heent Key  "Eyes Exam"
      Object Heent MMFile1 "Pupils\NormEyes.jpg"
      Object Heent Entry  "Pupils equal, round, and reactive to light."
      Object Heent Description "Pupils equal, round, and reactive to light."

1526 { Object Heent Key  "Retinal Exam"
      Object Heent MMFile1 "Eye Exam\MorphRetSmall\a.jpg"
      Object Heent Entry  "Normal retinal exam."
      Object Heent Description "Retinal Exam."

1528 { Object Heent Key  "Tympanic Membranes"
      Object Heent MMFile1 "Ear Exam\NormalEarBi.jpg"
      Object Heent Entry  "Tympanic membranes intact, no signs of fluid bilaterally."
      Object Heent Description ""

1530 { Object Heent Key  "Throat Exam"
      Object Heent MMFile1 "Throat\M_Throat_hu.jpg"
      Object Heent Entry  "Throat is free of lesions"
      Object Heent Description "No lesions, tongue midline, no active carries, mild periodontal disease."

```

FIG. 15B-1

1532 { Object Neuro Key "Speech Pattern"
Object Neuro MMFile1 "Wav Files\speech\MspeechN.wav"
Object Neuro Entry "Normal speech pattern."
Object Neuro Description "Click button to hear speech"

1534 { Object Neuro Key "Gait"
Object Neuro MMFile1 "Gait\MNGaitC.avi"
Object Neuro Entry "Normal gait."

1536 { Object Rad Key "Chest Film"
Object Rad MMFile1 "CXRs\NormalMale.jpg"
Object Rad Entry "Chest film normal. Trachea midline. No interstitial opacities."

1538 { Object Rad Key "Skull Film"
Object Rad MMFile1 "CXRs\NormalSkull.jpg"
Object Rad Entry "Skull film unremarkable. No masses or lesions visualized."

FIG. 15B-2

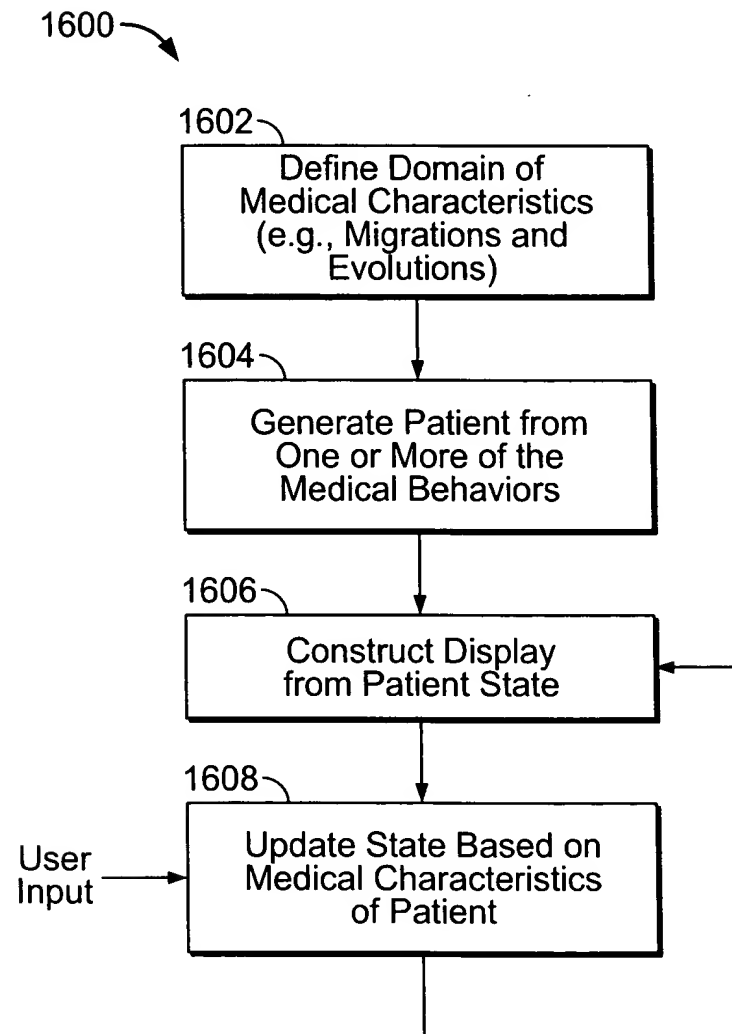


FIG. 16

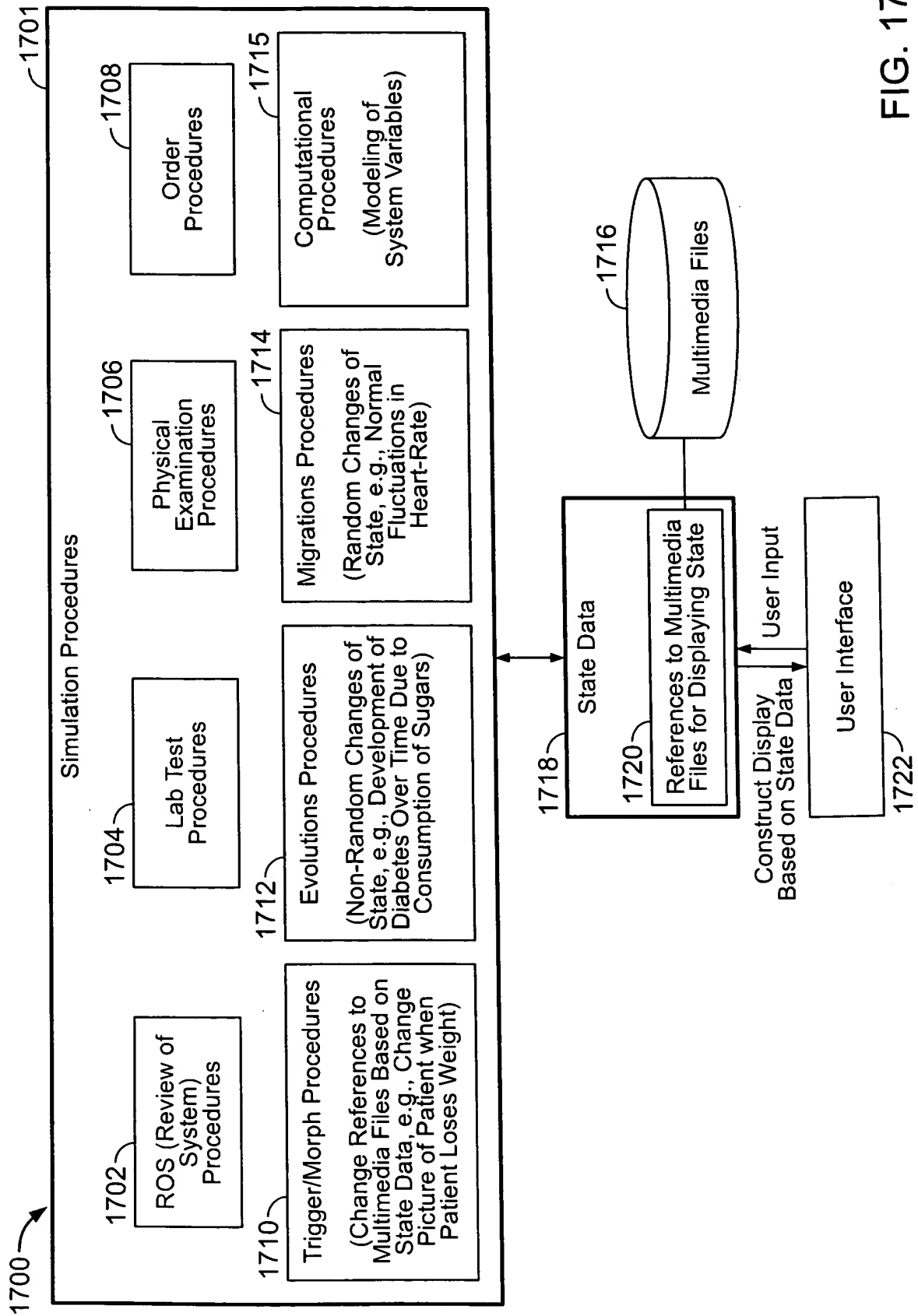


FIG. 17

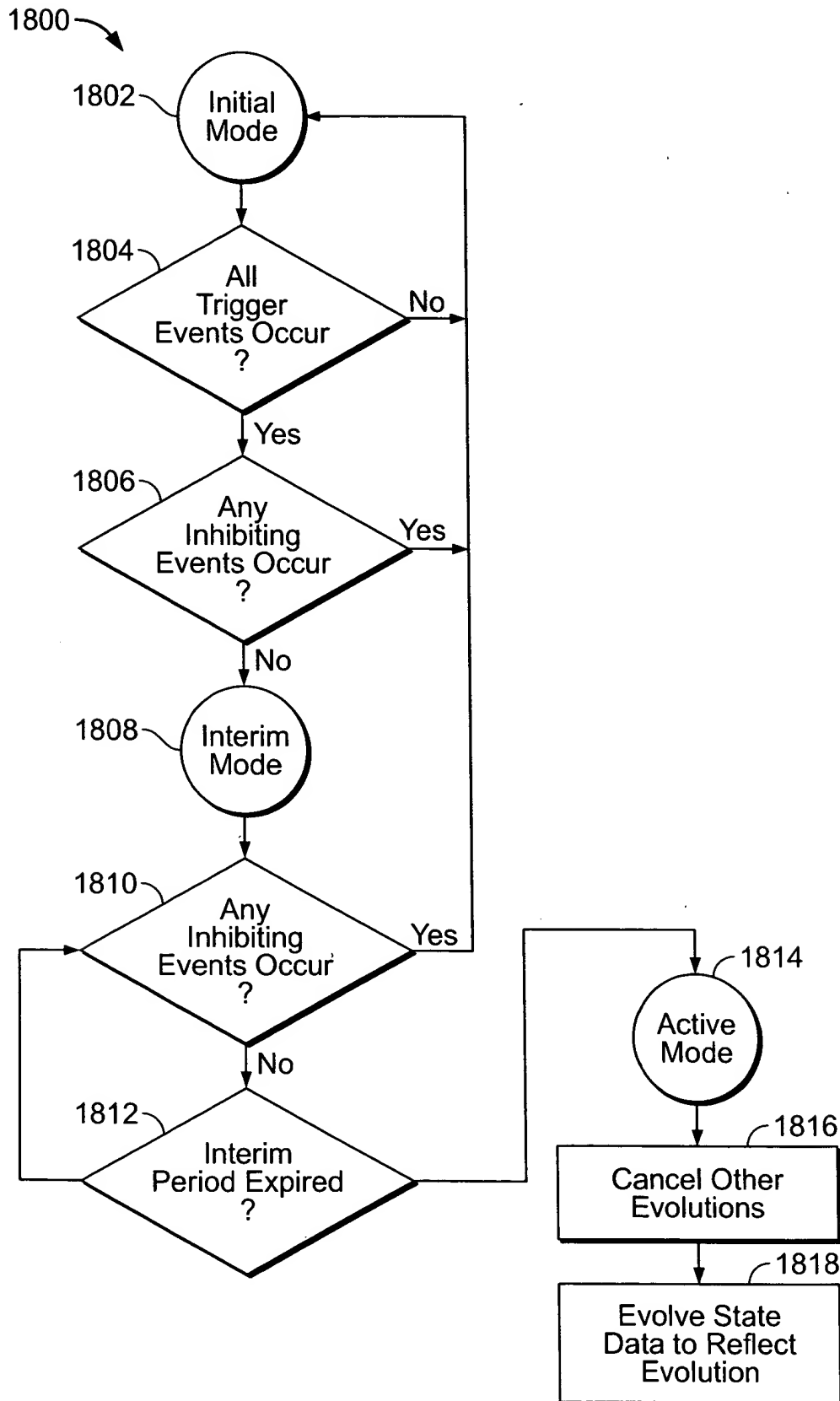


FIG. 18

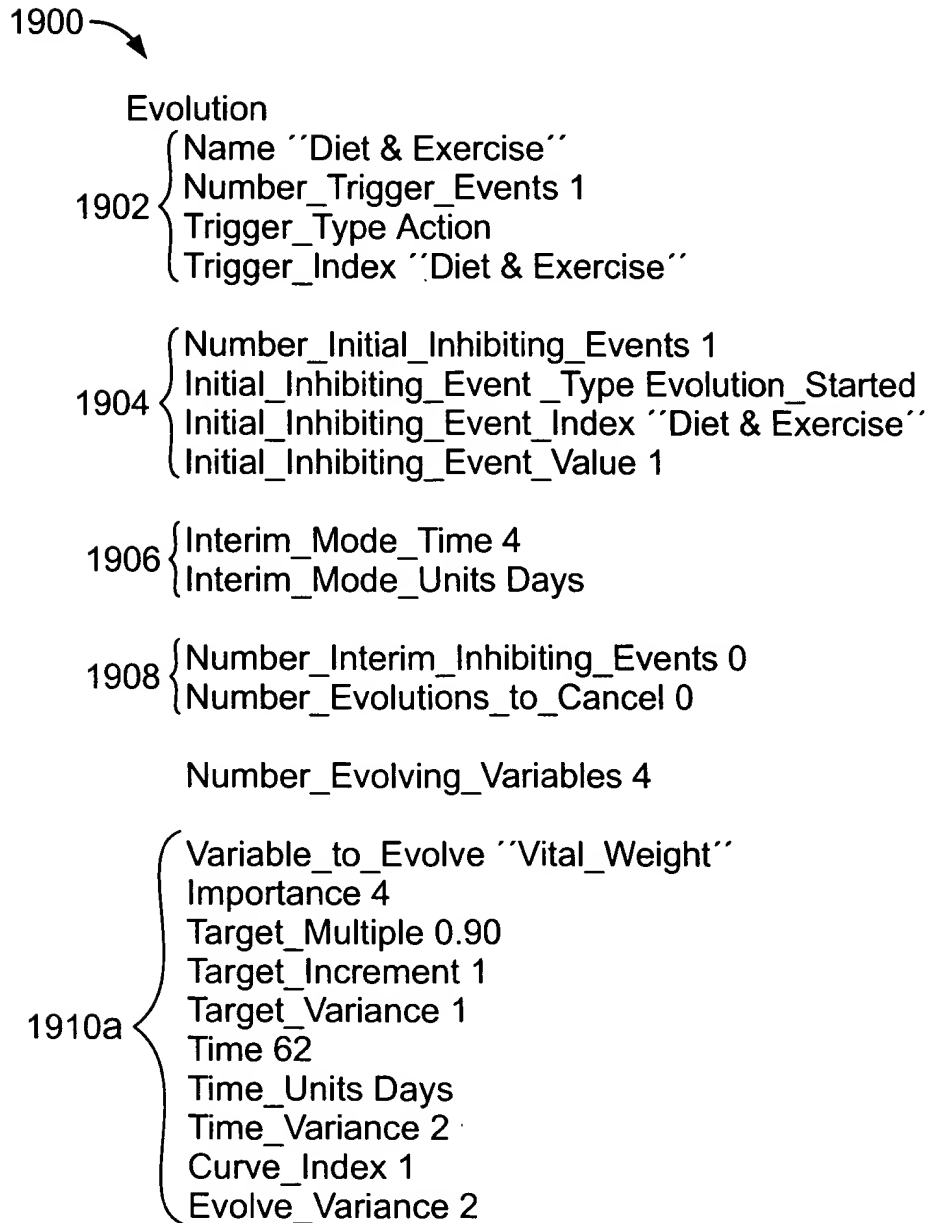


FIG. 19A

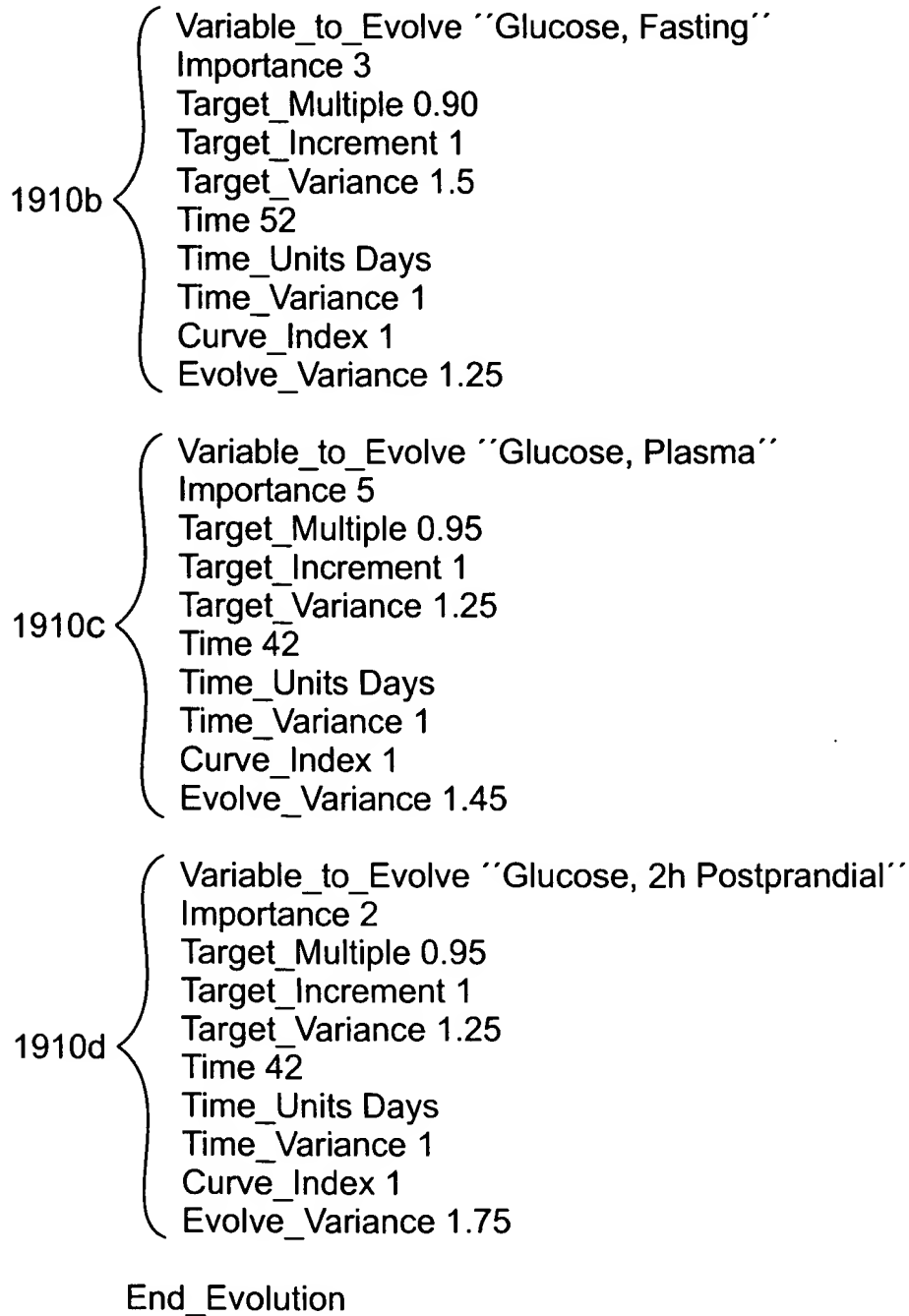


FIG. 19B

2000

Migration			
Name	"ACT"		
Comment	"Activated clotting Time"		
Units	"s"		
Variable	"ACT"		
Start	143	} 2002	
Min	114		
Max	186		
Time_Step	1	} 2004	
Time_Unit	Minutes		
Variance	0.4	} 2006	
Time_Jump	2		
End_Migration			

FIG. 20

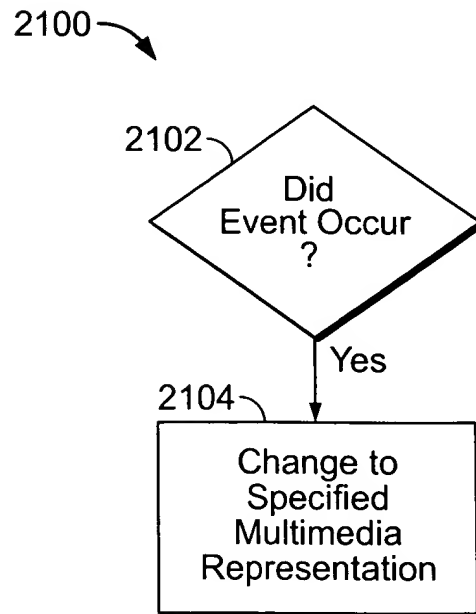


FIG. 21

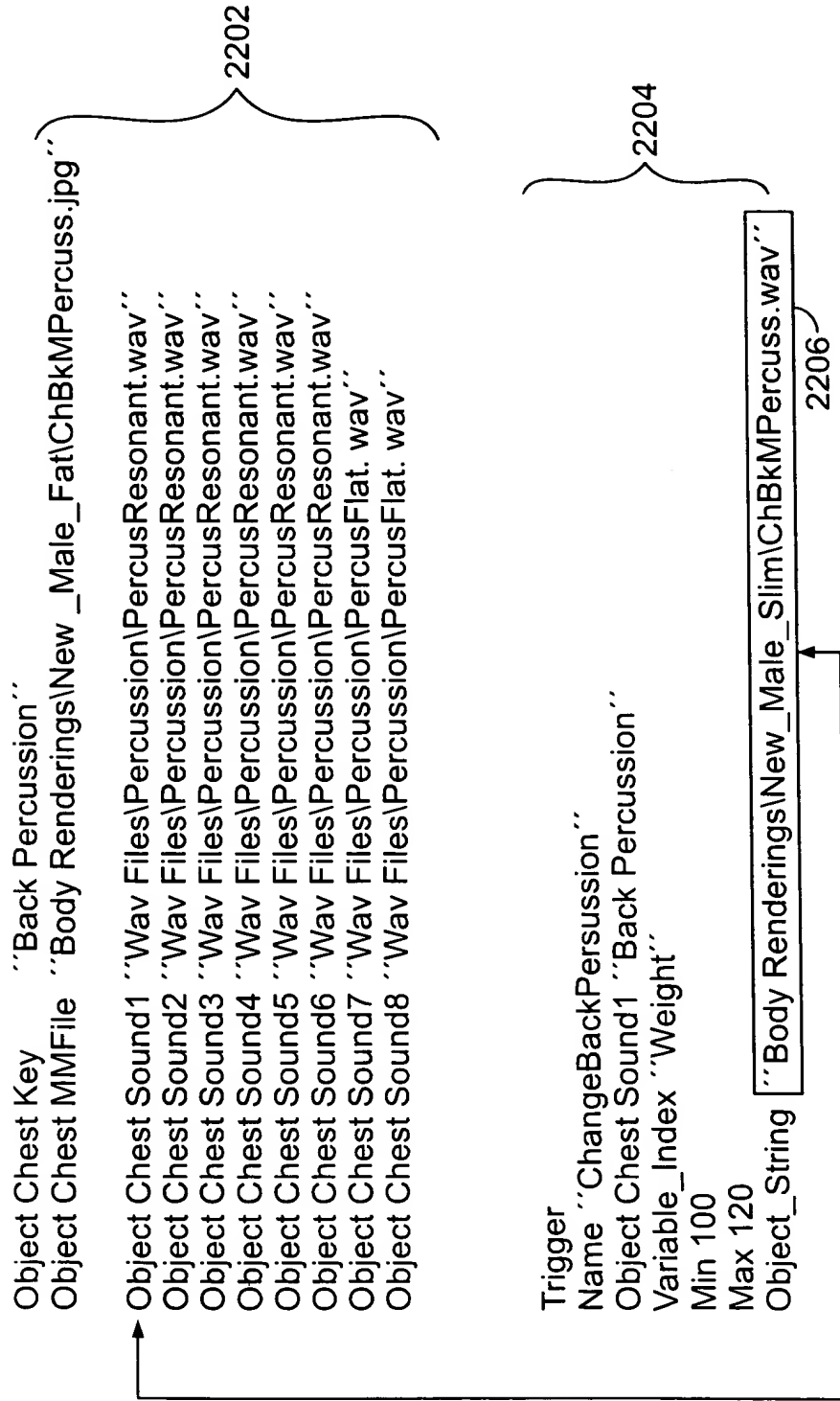


FIG. 22

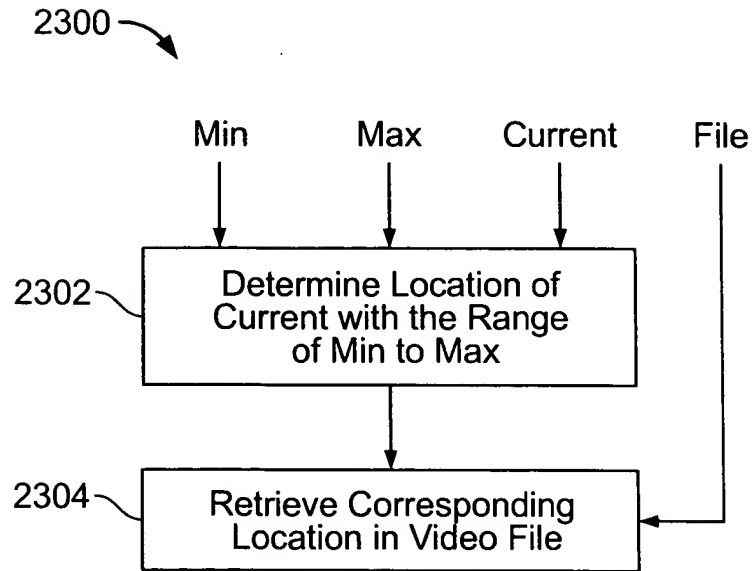


FIG. 23

```

Morph
Name  ``vital_weightM``
Comment  ``No Comment``
Variable  ``vital_weight``
Min  164.0
Max  184.0
End_Morph
    
```

FIG. 24

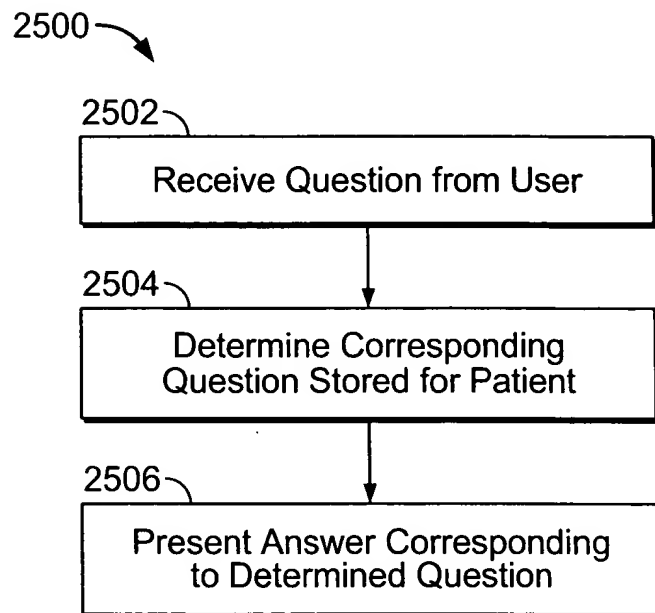


FIG. 25

Object ROS Question "Have you felt fatigued?"
Object ROS Answer "Well, I do find myself more tired at the end of the day lately, even though my job hasn't changed in years."
Object ROS Keywords "tire, fatigue, letharg"
Object ROS Entry "Fatigued at the end of the day."
Object ROS MMFile1 "Body Renderings\FFaces\sullen.jpg"

FIG. 26

Object Lab Test ``Acetone``

Object Lab Description ``No migration - Neg/Pos``

Object Lab Entry ``Neg/Pos``

FIG. 27

Object Order Action ``Acarbose``

Object Order Description ``Oral Antidiabetic - Precose``

Object Order Entry ``Given to patient PO; tolerated well``

FIG. 28

Object Physical Key ``Oral Temperature``

Object Physical Text ``Oral Temperature: \$temperature\$``

FIG. 29

COMPUTATION

Name ``Vital_BP_Diastolic``

Comment ``no comment``

Units `` mmHG``

Variable ``Vital_BP_Diastolic``

Method_Name ``ComputeBPDiastolic``

Number_Arguments 1

Argument_Variable ``Vital_BP_Systolic``

Variance 2

End_Computation

FIG. 30

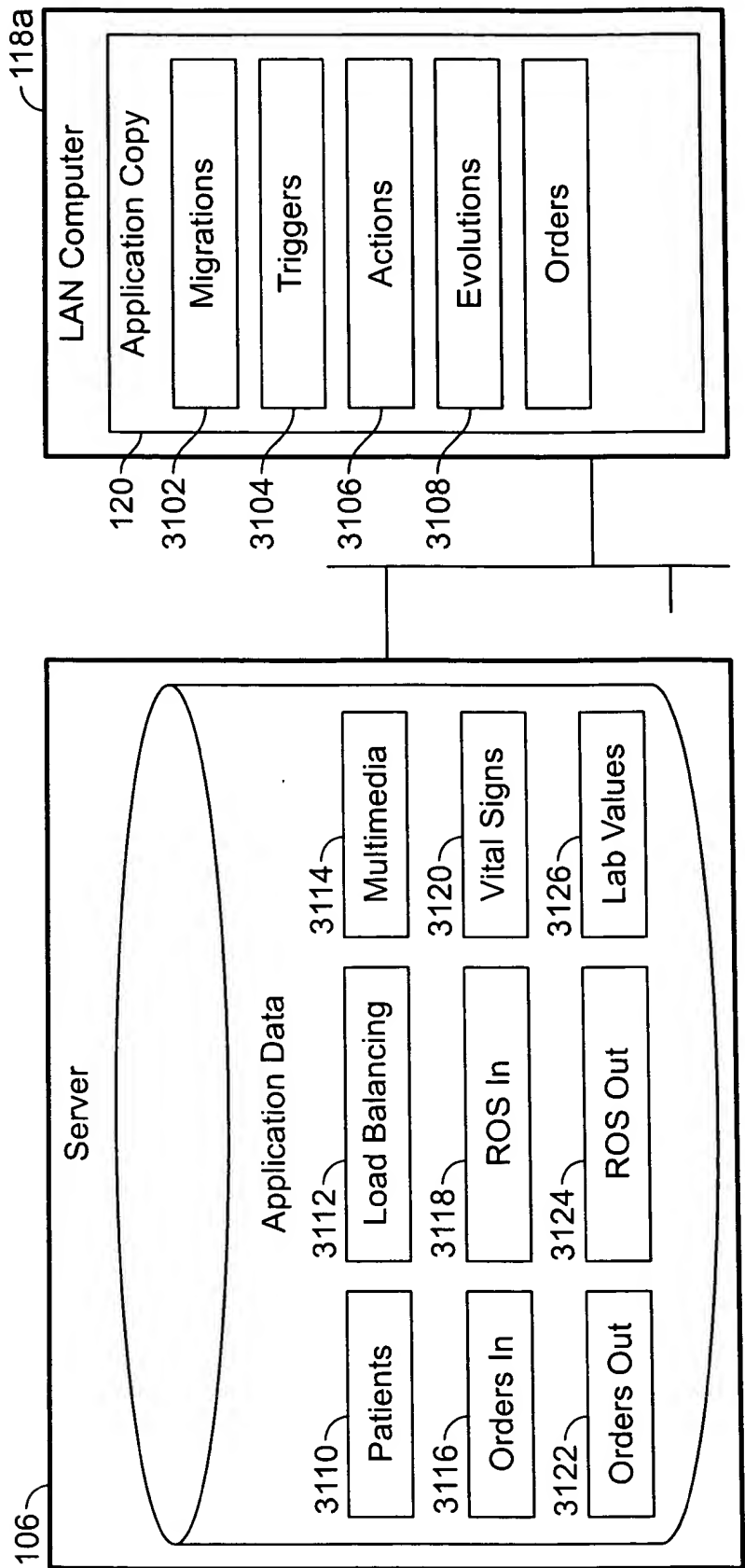


FIG. 31